Supplementary materials

Table S1 Chemical compositions of essential oils from different parts of *O. vulgare* L.

PK/No	Component	RI	Peak area percentage (%)		
			Leaf-flower	Stem	Root
1	Terpene	913	0.32		
2	α-Pinene	926	0.17		
3	α-Thujene	928	0.11		
4	β-Pinene	972	0.07		
5	β-Myrcene	981	0.44		
6	Mushroom alcohol	983	1.05		
7	3-Octanol	985	0.73		
8	3-Octanone	988	0.82		
9	(+)-4-Carene	1001	1.26		
10	D-Limonene	1013	0.21		
11	P-Cymene	1017	10.88		
12	3-Carene	1021	4.06		
13	β-Terpineol	1055	0.10		
14	Terpinolene	1097	0.14		
15	Linalool	1133	0.80		
16	1-methyl-4-(1-methylethenyl)-benzene	1161	0.13		
17	(-)-4-Terpineol	1176	0.85		
18	α-Terpineol	1193	0.18		
19	Cuminic acid	1235	3.82		
20	3-Methoxy-p-cymene	1266	7.72		
21	2-methyl-3-phenyl-propanal	1289	0.15		
22	Thymol※※	1303	18.81	3.46	1.08
23	Carvacrol※※	1317	30.73	6.02	3.27
24	Phenol, 2-Ethyl-4,5-dimethyl-	1390	1.23		
25	Caryophyllene	1416	8.21		0.37
26	Aromadendrene	1467	0.21		0.27
27	γ-Muurolene	1489	0.45		
28	α-Curcumene	1504	0.31		0.32
29	δ-Cadinene	1516	1.32		0.51
30	Calamenene	1533	0.16		0.34

31	α-Muurolene	1557	0.48		0.47
32	Alloocimene	1570			0.25
33	Cuparene	1615			0.19
34	3-Cyclohexen-1-carboxaldehyde, 3,4-dimethyl-	1652	0.40		
35	Caryophyllin※※	1669	1.81	1.59	0.63
36	(+)-Valencene	1681			0.42
37	3-Cyclohexen-1-carboxaldehyde,3,4-dimethyl-	1703	0.23		
38	2-Pentadecanone	1721			0.31
39	Cis-11-tetradecen-1-ol	1724			1.02
40	Spathulenol	1736		1.86	
41	α-Cadinol	1761	0.17		
42	Tetradecanoic acid	1792			2.53
43	6,10,14-trimethyl-2-pentadecanone	1823	0.08		1.35
44	Oxirane, 2-decyl-3-(5-methylhexyl)-, cis-	1835	0.17		0.31
45	Pentadecanoic acid	1854		1.07	2.09
46	8-Methyl-1-decene	1867			0.55
47	9,17-Octadecadienal, (Z)-	1878			0.23
48	Geranylgeraniol	1889			0.11
49	Diisobutyl phthalate	1895			1.21
50	Palmitic acid	1931		60.18	58.23
51	1,19-Eicosadiene	1943		2.67	
52	Octadecyl vinyl ether	1965			1.78
53	Cembrene	1999			2.52
54	Heptadecanoic acid	2002		1.24	
55	Oleic acid	2107		5.65	
56	Linoleic acid	2184		14.25	12.11
57	α-Linolenic acid	2285			3.66
58	Z,Z-10,12-Hexadecadien-1-ol acetate	_		1.52	0.82
59	Diisooctyl phthalate	_			2.02
Total			98.78	99.51	98.97

※※ Common components in all three parts. RI: retention indices relative to C_8-C_{22} alkanes on a polar HP-20M column